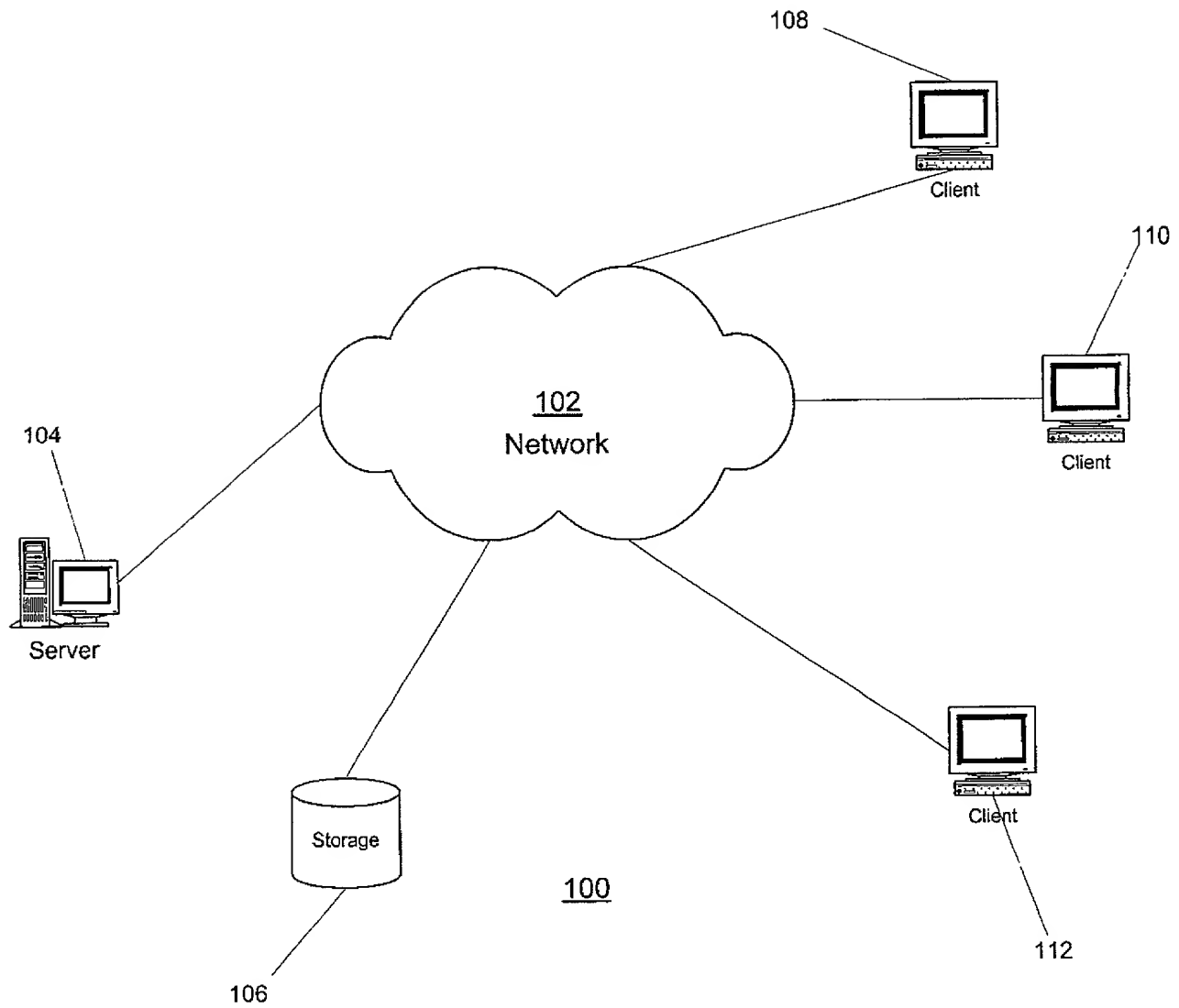


Figure 1

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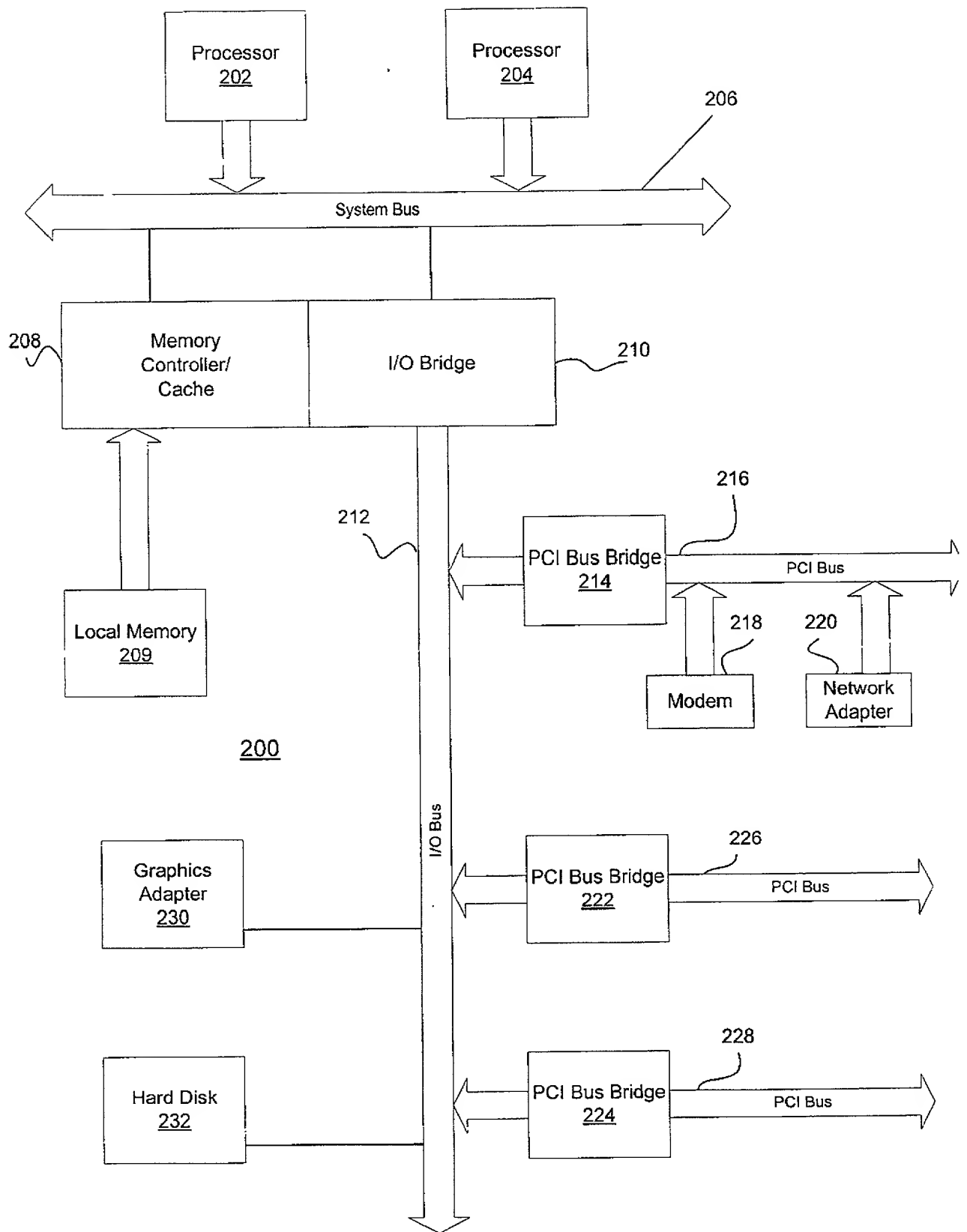


Figure 2

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FIG. 3 is a block diagram of a computer system 300. The system includes a Processor 302, Host/PCI Cache/Bridge 308, Main Memory 304, Audio Adapter 316, SCSi Host Bus Adapter 312, LAN Adapter 310, Expansion Bus Interface 314, Graphics Adapter 318, Audio/Video Adapter 319, Keyboard and Mouse Adapter 320, Modem 322, Memory 324, Disk 326, Tape 328, and CD-ROM 330. The system is connected to a Bus 306. The SCSi Host Bus Adapter 312 is connected to the Bus 306 and the Disk 326, Tape 328, and CD-ROM 330. The LAN Adapter 310 is connected to the Bus 306. The Expansion Bus Interface 314 is connected to the Bus 306 and the Keyboard and Mouse Adapter 320, Modem 322, and Memory 324. The Graphics Adapter 318 and Audio/Video Adapter 319 are connected to the Bus 306. The Processor 302, Host/PCI Cache/Bridge 308, and Main Memory 304 are connected to the Bus 306. The Audio Adapter 316 is connected to the Bus 306. The system is labeled 300.

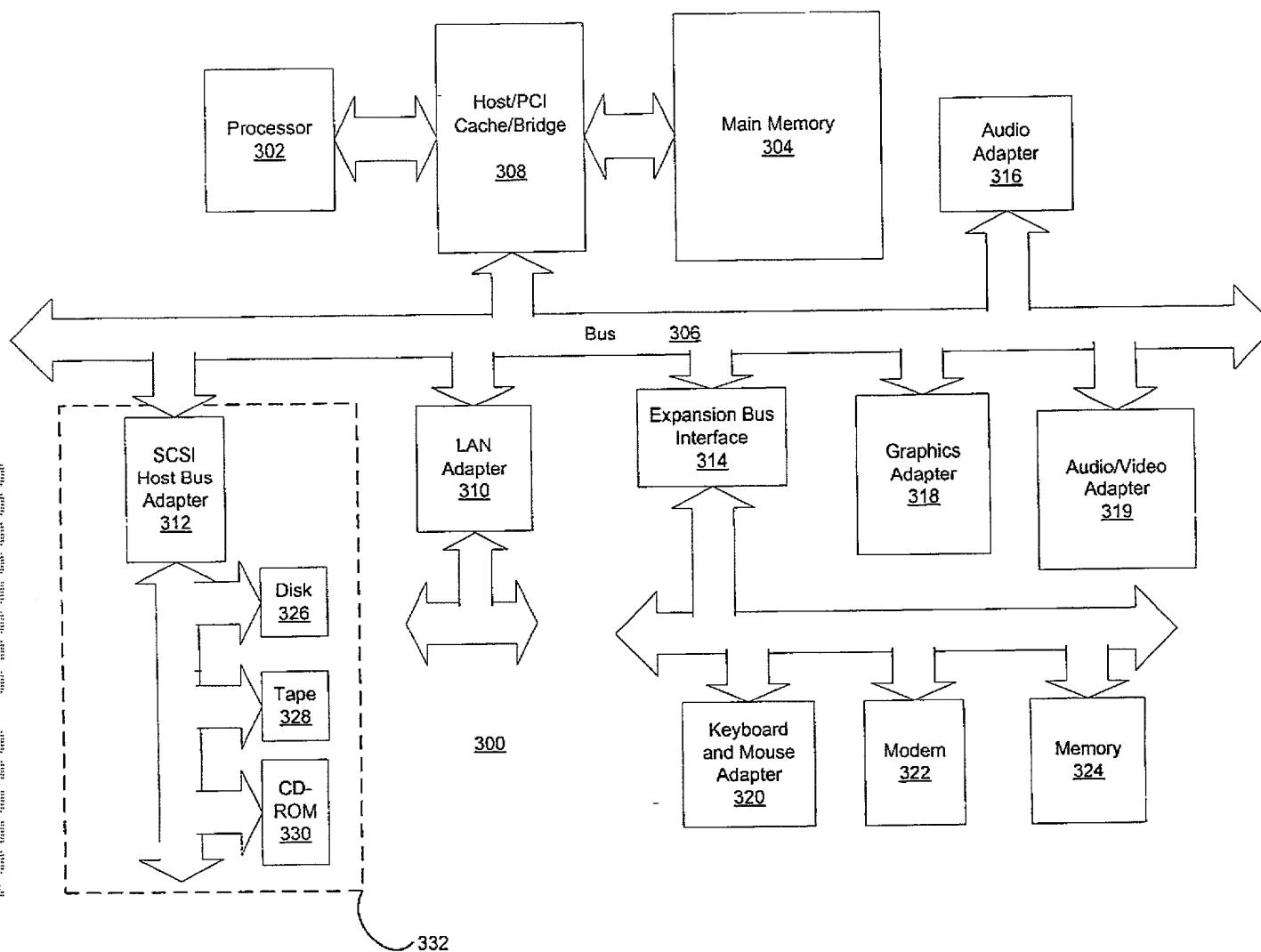


Figure 3

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Start

Invoke recv()
function
410

Set Value of
so_rcvlen
420

Enough Data in
Buffer?
430

YES

NO

Set SP_MSGWAITALL flag
440

Wait for Next Data
Segment
450

Data Segment
Received?
460

NO

YES

Enough Data in
Buffer?
470

NO

YES

Wake-up recv()
thread
480

Reset
SP_MSGWAITALL
flag
490

Copy Data to
Applicaton Buffer
500

End

Figure 4

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Perform Modified
TCP Input/Output
Processing
510

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